
Tpm For Supervisors The Shopfloor Series

Pull Production for the Shopfloor

TPM for Workshop Leaders

TPM for the Lean Factory

Straight Talk on Cultivating Support and Buy-in

Kanban Just-in Time at Toyota

Overall Equipment Effectiveness

Straight Talk from a Plant Manager

The Shingo System of Continuous Improvement

Facing the Challenge of Unpredictability Through Spontaneous Reorganization

The Unshackled Organization

5 Pillars of the Visual Workplace

Toyota Production System

Proven Strategies and Techniques to Keep Equipment Running at Maximum Efficiency

Focused Equipment Improvement for TPM Teams

TPM Team Guide
The 12 Principles of Manufacturing Excellence
Beyond Large-Scale Production
One-Piece Flow for Workteams
Implementing TPM on the Shop Floor
Fast Track to Waste-Free Manufacturing
Building Participation Through Shared Information
Zero Quality Control
A Route to World Class Performance
Kanban for the Shopfloor
Successful Equipment Management at Agilent Technologies
TPM for Workshop Leaders
Kaizen for the Shop Floor
Non-Stock Production
Autonomous Maintenance for Operators
Poka-Yoke
Lean TPM
Tpm for Supervisors
TPM Team Guide
Going Beyond Lean Sigma Tools

The Visual Factory
Source Inspection and the Poka-Yoke System
Kaizen for Quick Changeover
TPM Development Program
Management Begins at the Workplace
A Zero-Waste Environment with Process Automation

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BREWER LAYLAH

Pull Production for the Shopfloor Routledge
The powerful knowledge contained in this book can make your workplace more productive, your job simpler, and everything more satisfying. It's about

how to do equipment or product changeovers in record time--often in less than 10 minutes. The method you'll learn here is called SMED, short for "Single-Minute Exchange of Die" (the "single" here means a single-digit number of minutes). Developed from a longer book, A Revolution in Manufacturing: The SMED

System(cat no. PP9903), written for managers, this book is written for frontline production and assembly associates. It presents an overview of the reasons why SMED is important for companies and employees, sets out the three basic stages of SMED, and then devotes a separate chapter to each of these stages. The first

chapter of the book is like an "owner's manual" that tells you how to get the most out of your reading time by using the margin assists, summaries, and other features of the book to help pull out exactly what you need. One of the most effective ways to use this book is to read and discuss it with other employees. The authors planned the book so that it can be used this way, organizing the book into chunks of information that can be covered in a series of short sessions. Each chapter includes

reflection questions to stimulate group discussion. A Learning Package is also available (catalog no.PP7126), which includes a leader's guide, overhead transparencies to summarize major points, and color slides showing examples of SMED applications in different kinds of companies. s of the book to help pull out exactly what you need. One of the most effective ways to use this book is to read and discuss it with other employees. The authors planned the book

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TPM for Workshop Leaders

Productivity Press
TPM involves employees companywide in preventing equipment abnormalities and breakdowns. The first line of defense: equipment operators-the people most familiar with daily operating conditions. In addition to regular cleaning and inspection, team-based improvement activities make effective use of operators' hands-on knowledge. How do you organize TPM teams and keep them vital? TPM Team Guide tells supervisors, workgroup

leaders, and operators how to develop the team-based skills required for successful TPM implementation. Geared toward TPM projects, it describes basic elements of improvement activities for any kind of shopfloor team. TPM Team Guide gives simple explanations of basic TPM concepts such as the six big losses, and emphasizes the integration of TPM activities with production management. Chapters describe the team-based improvement process step by step, from goal to

standardization of the improved operations. Team leaders will learn how to hold effective meetings and deal with the human issues that stand in the way of success. The tools for team problem solving and the steps for preparing a good presentation of results are detailed here as well. Written in simple language, with abundant illustrations and cartoon examples, this book makes TPM activities understandable to everyone in the company. Frontline supervisors,

operators, facilitators, and trainers in manufacturing companies will want to use this practical guide to improve company performance and build a satisfying workplace for employees.

TPM for the Lean Factory CRC Press

In a "pull" production system, the final process pulls needed parts from the previous process, which pulls from the process before it, and so on, as determined by customer demand. This allows you to operate without preset schedules

and avoid unnecessary costs, wastes, and delays on the manufacturing floor. Pull Production for the Shopfloor introduce Straight Talk on Cultivating Support and Buy-in CRC Press

In his latest offering, John Davis tackles the "human" side of a lean initiative -- cultivating a lean culture and gaining employee buy-in. How managers deal with these issues will ultimately determine their success. Leading the Lean Initiative: Straight Talk on Cultivating Support and Buy-in shows you how to

lead a lean effort and effectively manage change. It is a practical manual for the new manager. Though directed at plant managers, and specifically those new to their jobs, this book benefits anyone taking on a leadership role. Davis provides complete direction on the crucial first steps and advise on competently responding to the "unknown and unexpected." In addition the book covers how to: Gain the respect and active support of the workforce. Work

effectively with unions and customers. Create a culture for change. Actively seek out key people in your organization. Diplomatically buck the system. Extend lean to the entire enterprise. Develop and effectively earmark your plan for operation. Cultivate a winning relationship with your boss. Deal with major setbacks in business conditions. Throughout the text, Davis weaves the story of Jim Warring, a plant manager who is new to

the job, detailing his frustrations, challenges, and accomplishments, and how he handles the daily responsibilities of a plant manager. At the end of each chapter, Davis rates Warring on how he performed in his role as plant manager and as a leader of the plant's lean initiative by presenting "The Warring Scorecard." Davis points out where he succeeded, and where he made some serious mistakes. Leading the Lean Initiative: Straight Talk on Cultivating Support and Buy-in, is a

valuable resource or all managers in any industry. This book will show you how to effectively lead in your organization and how to cultivate a cooperative environment. **Kanban Just-in Time at Toyota** CRC Press Through TPM, more companies accept the concept of Zero Breakdowns as achievable. Based on first hand experience, this is a practical guide to delivering TPM benefits, and world class performance. Overall Equipment

Effectiveness CRC Press
 The benefits of advanced manufacturing methods can't be realized until they're practiced consistently and proficiently by your entire workforce. Here's a simple, low-cost way to get everyone on board quickly. This small book presents the basic methodology of TPM and focuses on hands-on activities for shopfloor teams to maximize equipment effectiveness. Feedback from our customers indicates that this book has been used

primarily by shopfloor supervisors to lead operator teams in implementing TPM programs. For the most cost effective on-site education, every supervisor and team leader in your operation should read this book. TPM for Supervisors offers an overview of the basic features of TPM as well as the implementation process in an easy-to-follow presentation. It focuses on the important role of supervisors in maximizing equipment effectiveness. For the

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book. It presents the basic methodology of TPM in clear, accessible language and will help supervisors implement TPM improvement activities on the shop floor. It's the best way to ensure a companywide understanding of TPM. [The Shingo System of Continuous Improvement](#) Routledge A combination of source inspection and mistake-proofing devices is the only method to get you to zero defects. Shigeo Shingo shows you how this proven system for

reducing errors turns out to be the highest quality products in the shortest period of time. Shingo provides 112 specific examples of poka-yoke development devices on the shop floor, most of them costing less than \$100 to implement. He also discusses inspection systems, quality control circles, and the function of management with regard to inspection.

Facing the Challenge of Unpredictability Through Spontaneous Reorganization
Routledge

dtPublisher's Message
In a time when managers are scrambling to find methods to maneuver through the madness of a completely unpredictable business environment, Jeffrey Goldstein's answers are surprising, challenging, and sometimes controversial. But when applied, they reveal the key to highly refined organization functioning. In *The Unshackled Organization*, consultant and management professor Jeffrey Goldstein examines new territory

with his exploration into how change happens within an organization. Utilizing leading-edge scientific and social theories about change, including non-linear, far-from-equilibrium, chaos theory, and system dynamics, Goldstein shows that only through "self-organization" can natural, lasting change occur. The theory behind "self-organization" arises from the idea of allowing and even amplifying unpredictable fluctuation rather than abolishing or controlling it. In other

words, don't fight it! Change imposed from above often is not accepted with open arms by employees. But out of the chaos of change that emerges from within the organization will come long-lasting, structural improvements instead of short-term, Band-Aid solutions. This is a dramatic new way of looking at change, one that means rethinking how change happens within an organization and how you can encourage the process. This book is a pragmatic guide for

managers, executives, consultants, and other change agents. More than an academic discourse on a new theory of change, it is filled with real-world examples about diverse types of change in a variety of business and service organizations. This is information you can start using today to support true change within your organization. Contents Publisher's Message Preface Chapter One: New Wine Skins Chapter Two: Growth in Nonlinear Systems Chapter Three: The

Dynamics of Self-Organization Chapter Four: From Resistance to Attraction Chapter Five: The Equilibrium Effect of Self-Fulfilling Prophecies Chapter Six: Generating Far-From-Equilibrium Conditions Chapter Seven: Working With Boundaries Chapter Eight: Differences That Make A Difference Chapter Nine: The Cauldron of Change Chapter Ten: The Magic Theatre Epilogue Notes About the Author Index *The Unshackled Organization* McGraw Hill Professional

Autonomous maintenance is an especially important pillar of Total Productive Maintenance (TPM) because it enlists the intelligence and skills of the people who are most familiar with factory machines-- equipment operators. Operators learn the maintenance skills they need to know through a seven-step autonomous maintenance program. Most companies in the West stop after implementing the first few steps and never realize the full benefits of autonomous

maintenance. This book contains comprehensive coverage of all seven steps--not just the first three or four. It includes: An overview of autonomous maintenance features and checklists for step audits to certify team achievement at each AM step. TPM basics such as the six big losses, overall equipment effectiveness (OEE), causes of losses, and six major TPM activities. An implementation plan for TPM and five countermeasures for achieving zero

breakdowns. Useful guidelines and case studies in applying AM to manual work such as assembly, inspection, and material handling. Integrates examples from Toyota, Asai Glass, Bridgestone, Hitachi, and other top companies. By treating machines as partners and taking responsibility for them, you get machines that you can rely on and help maintain an energized and responsive workplace. For companies that are serious about taking autonomous

maintenance beyond mere cleaning programs, this is an essential sourcebook and implementation support. *5 Pillars of the Visual Workplace* CRC Press
Workshop leaders play a central role in your company's efforts to implement TPM. Once your workers have been divided into small groups to learn the fundamentals of TPM, it is the group leader who spearheads ongoing training and implementation activities. With quick-reading, people-oriented

practicality, this new book addresses the role of the workshop leader in maximizing the benefits of TPM. A top TPM consultant in Japan, Kunio Shirose: Incorporates cartoons and graphics to convey the hands-on leadership issues of TPM implementation. Uses case studies to reinforce his ideas on training and managing equipment operators in the care of their equipment. Itemizes specific activities that must be undertaken to search out, correct, and control defects to remedy

equipment shortcomings. He also addresses the cooperative relationship necessary between maintenance and production and leaves you with an understanding of the three imperatives for successful TPM implementation to change the quality and functioning of the equipment, the way operators think about equipment, and the workplace. (Originally published by the Japan Management Association.) *Toyota Production System*

CRC Press

As distinguished from autonomous maintenance, where the main goal is to restore basic conditions of cleanliness, lubrication, and proper fastening to prevent accelerated deterioration, FEI looks at specific losses or design weaknesses that everyone previously thought they just had to live with. Once your TPM operator teams are progressing with their daily autonomous maintenance activities, you will want to take the

next advanced step in TPM training with this book. Key Features: a simple and powerful introduction to P-M Analysis hints for unraveling breakdown analysis numerous ideas for simplifying and shortening setups ideas for eliminating minor stoppages and speed losses basic concepts of building quality into processing real-life examples from a leading Japanese tool company Educate and empower all your workers to support your TPM improvement

activities with

Proven Strategies and Techniques to Keep Equipment Running at Maximum Efficiency CRC Press

In this classic text, Taiichi Ohno--inventor of the Toyota Production System and Lean manufacturing--shares the genius that sets him apart as one of the most disciplined and creative thinkers of our time. Combining his candid insights with a rigorous analysis of Toyota's attempts at Lean production, Ohno's book explains how Lean

principles can improve any production endeavor. A historical and philosophical description of just-in-time and Lean manufacturing, this work is a must read for all students of human progress. On a more practical level, it continues to provide inspiration and instruction for those seeking to improve efficiency through the elimination of waste.

Focused Equipment

Improvement for TPM

Teams Productivity Press

Kanban is the name given

to the inventory control card used in a pull system. The primary benefit of kanban is to reduce overproduction, the worst of the seven deadly wastes. A true kanban system produces exactly what is ordered, when it is ordered, and in the quantities ordered. It is essentially a dynamic work order that moves with the material. Each kanban identifies the part or subassembly unit and indicates where each one came from and where each is going. Used this way, kanban acts as a

system of information that integrates your plant, connects all processes one to another, and connects the entire value stream to customer demand. Kanban for the Shopfloor provides a working manual for those seeking to implement this method of production control in any operation. It defines the various terms and methods employed in kanbans, and illustrates how when adhered to, kanban is an element of continuous improvement that ultimately leads to the ideal of one-piece

flow." In addition to reducing the waste of overproduction, kanban will help your company increase flexibility to respond to customer demand, coordinate production of small lots and wide product variety, and simplify the procurement process. About the Shopfloor Series: Put proven improvement tools in the hands of your entire workforce! Progressive shopfloor improvement techniques are imperative for manufacturers who want to stay competitive

and to achieve world class excellence. And it's the comprehensive education of all shopfloor workers that ensures full participation and success when implementing new programs. The Shopfloor Series books make practical information accessible to everyone by presenting major concepts and tools in simple, clear language and at a reading level that has been adjusted for operators by skilled instructional designers. One main idea is presented every two to

four pages so that the book can be picked up and put down easily. Each chapter begins with an overview and ends with a summary section. Helpful illustrations are used throughout. Other topics in the Shopfloor Series: Kanban, 5S, Quick Changeover, Mistake-Proofing, Just-in-Time, TPM, Cellular Manufacturing
TPM Team Guide CRC Press
 Overall Equipment Effectiveness (OEE) is a crucial measure in TPM that reports on how well

equipment is running. It factors three elements --- the time the machine is actually running, the quantity of products the machine is turning out, and the quantity of good output - into a single combined score. Directly addressing those who are best positioned to track and improve the effectiveness of equipment, OEE for Operators defines basic concepts and then provides a systematic explanation of how OEE should be applied to maximize a piece of

equipment's productivity and recognize when its efficiency is being compromised. Features *The 12 Principles of Manufacturing Excellence* CRC Press
If you're aware of the tremendous improvements achieved in productivity and quality as a result of employee involvement, then you'll appreciate the great value of creating a visual factory. This book explains why conventional work areas, where fragmented information flows from "top to

bottom," must be replaced by the "visual workplace," where information flows in every direction. It details how visual management can make the factory a place where workers and supervisors freely communicate so that every employee can take improvement action. The author's year-long worldwide research resulted in an abundance of practical recommendations. The communication techniques he suggests will: Foster cohesion

within groups of employees. Turn fault-based into fact based communication. Overcome such problems as absenteeism and high defect rates. Stimulate an unending flow of suggestions from employees. A valuable resource for plant, operations, and human relations managers, this text discusses how successful companies develop meeting and communication areas, communicate work standard production controls such as kanban,

and make goals and progress visible. Over 200 diagrams and photos illustrate the numerous visual techniques discussed.

Beyond Large-Scale Production Productivity Press

The benefits of advanced manufacturing methods can't be realized until they're practiced consistently and proficiently by your entire workforce. Here's a simple, low-cost way to get everyone on board quickly. This small book presents the basic

methodology of TPM and focuses on hands-on activities for shopfloor teams to maximize equipment effectiveness. Feedback from our customers indicates that this book has been used primarily by shopfloor supervisors to lead operator teams in implementing TPM programs. For the most cost effective on-site education, every supervisor and team leader in your operation should read this book. TPM for Supervisors offers an overview of the basic

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companywide understanding of TPM. One-Piece Flow for Workteams CRC Press This is the "green book" that started it all -- the first book in English on JIT, written from the engineer's viewpoint. When Omark Industries bought 500 copies and studied it companywide, Omark became the American pioneer in JIT. Here is Dr. Shingo's classic industrial engineering rationale for the priority of process-based over operational improvements in

manufacturing. He explains the basic mechanisms of the Toyota production system, examines production as a functional network of processes and operations, and then discusses the mechanism necessary to make JIT possible in any manufacturing plant. Provides original source material on Just-In-Time Demonstrates new ways to think about profit, inventory, waste, and productivity Explains the principles of leveling, standard work procedures, multi-

machine handling, supplier relations, and much more. If you are a serious student of manufacturing, you will benefit greatly from reading this primary resource on the powerful fundamentals of JIT. *Implementing TPM on the Shop Floor* Routledge. If your goal is 100% zero defects, here is the book for you — a completely illustrated guide to poka-yoke (mistake-proofing) for supervisors and shop-floor workers. Many poka-yoke ideas come from line workers and are

implemented with the help of engineering staff or tooling or machine specialists. The result is better product quality and greater participation by workers in efforts to improve your processes, your products, and your company as a whole. The first section of the book uses a simple, illustrated format to summarize many of the concepts and main features of poka-yoke. The second section shows 240 examples of poka-yoke improvements implemented in Japanese plants. The book:

Organizes examples according to the broad issue or problem they address. Pinpoints how poka-yoke applies to specific devices, parts and products, categories of improvement methods, and processes. Provides sample improvement forms for you to sketch out your own ideas. Use Poka-yoke in study groups as a model for your improvement efforts. It may be your single most important step toward eliminating defects completely. (For an industrial engineering

perspective on how source inspection and poka-yoke can work together to reduce defects to zero, see Shigeo Shingo's Zero Quality Control.)

Fast Track to Waste-Free Manufacturing

CRC Press

As distinguished from autonomous maintenance, where the main goal is to restore basic conditions of cleanliness, lubrication, and proper fastening to

prevent accelerated deterioration, FEI looks at specific losses or design weaknesses that everyone previously thought they just had to live with. Once your TPM operator teams are progressing with their daily autonomous maintenance activities, you will want to take the next advanced step in TPM training with this book. Key Features: a simple and powerful

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